ATTACHMENT 11

PROGRAM PREFERENCES

<filename Att11_IG1_MWA_Preference_1ofTotal1 >

A summary of Program Preferences and Statewide Priorities met by the three projects included in this grant application is presented in Table 1.

Table 1 - Program Preferences and Statewide Priorities

Preference or Priority	JBWD	HDWD	MWA	Overall
Program Preferences				
Include regional projects or programs			x	x
Effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the RWQCB region or subdivision; or other region or sub-region	x	x		x
Effectively resolve significant water-related conflicts within or between regions		x	x	x
Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program	x		x	x
Address critical water supply or water quality needs of disadvantaged communities within the region	x	x	x	x
Effectively integrate water management with land use planning			x	x
For eligible SWFM funding, projects which: a) are not receiving State funding for flood control or flood prevention projects or b) provide multiple benefits				
Statewide Priorities				
Drought Preparedness	x	x	x	x
Use and Reuse Water More Efficiently		x	x	x
Climate Change Response Actions	x		x	x
Expand Environmental Stewardship	x	x	x	x
Practice Integrated Flood Management	x	x	x	x
Protect Surface Water and Groundwater Quality	x	x		x
Improve Tribal Water and Natural Resources				
Ensure Equitable Distribution of Benefits	x	x	x	x

A description of the certainty that the Preferences and Priorities that are addressed by the three proposed project, the certainty that the Preference or Priority will be met, and the breadth and magnitude to which they will be met are presented in Table 2.

Table 2 - Certainty, Breadth and Magnitude of Program Preferences and Statewide Priorities Met

Preference or Priority	Addressed	Certainty	Breadth & Magnitude
Program Preferences			
Include regional projects or programs	Yes	High. Turf Removal Conservation Incentive Program is an expansion of a popular existing program with a waiting list.	Turf Removal Conservation Incentive Program is offered over entire 3,500 square mile Lahontan portion of Plan area; Will add up to 6 million square feet of turf removal with projected water saving of 1,012 acre-feet per year.
Effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the RWQCB region or subdivision; or other region or sub-region specifically identified by DWR	Yes	High. The HDWD Water Treatment Plant is located in the Warren Basin, interconnected and upgradient to the JBWD Recharge Pond project in the Joshua Tree Basin	Tertiary-treated wastewater from the proposed HDWD Water Treatment Plant will be percolated to the aquifer system just upgradient from the Joshua Basin. Over time, with full project development, these basins are expected to partially refill and re-establish hydrologic connection. These long-term effects have been modeled by the USGS and others. Water level and water quality monitoring are included as part of the management plan
Effectively resolve significant water-related conflicts within or between regions	Yes	High in Joshua Basin and contributory to resolution in Mojave River Basin. Balancing supply and demand through demand management and importation and recharge of water under this proposal implements a key provision of the Mojave Basin Area Judgment	The framework for resolution of over 30 years of water use disputes was defined by the 1996 Mojave Basin Area Judgment. Failure to implement demand management and water recharge and importation provisions would result in continued overdraft and further legal disputes
Contribute to attainment of one or more of the objectives of the CALFED Bay-Delta Program	Yes	Probable. Large groundwater storage potential and demand reduction allows for change of timing of SWP deliveries to MWA to improve in-Delta habitat and reduce risks from Delta levee failure	Reregulation of 2,000 acre-feet per year of MWA supply and long-term demand reduction of 1,012 acre-feet per year for projects proposed for grant funding

Preference or Priority	Addressed	Certainty	Breadth & Magnitude
Address critical water supply or water quality needs of disadvantaged communities within the region	Yes	High. Most of the areas served by these communities are considered disadvantaged. Implementation of proposed projects is certain to benefit these areas.	JBWD Recharge Pond project will supply 2,000 af/yr to replenish currently overdrafted groundwater basin, increasing sustainability and reliability of local water supplies used by the disadvantaged community of Joshua Tree. HDWD Wastewater Treatment Plant Phase 1a is a stand-alone first phase of regional project which will reclaim and recharge the drinking water aquifer currently impacted by nitrate contamination and used by the disadvantaged community of Yucca Valley. MWA Turf Removal Conservation Incentive Program is open to all property owners in the Mojave River Basin area, which is mostly considered disadvantaged. Participants will receive financial assistance and benefit from lower water bills.
Effectively integrate water management with land use planning	Yes	Moderate. Participants in the MWA Turf Removal Conservation Incentive Program are required to participate in pre- and post inspection to verify turf removal occurs. Participants must sign contract to keep converted landscape for a specified period of time.	Up to 6 million square feet of turf will be removed under this grant-funded program. Participants must replant a portion of the converted area with approved native drought-tolerant plants and xeriscape. Participants are provided consultation with landscape architect to configure landscape to capture and percolate rainfall.
For eligible SWFM funding, projects which: a) are not receiving State funding for flood control or flood prevention projects or b) provide multiple benefits	No		
Statewide Priorities			

Preference or Priority	Addressed	Certainty	Breadth & Magnitude
Drought Preparedness	Yes	High. All projects increase, improve quality, or reduce overdraft of the region's groundwater storage reserves to ensure adequate supplies are available to meet critical needs during periods of drought.	JBWD Recharge Pond project will supply 2,000 af/yr to replenish currently overdrafted groundwater basin, increasing sustainability and reliability of local water supplies. HDWD Wastewater Treatment Plant Phase 1a is a stand-alone first phase of regional will reclaim and recharge the drinking water aquifer currently impacted by nitrate contamination. MWA Turf Removal Conservation will reduce long-term water demand by 1,012 af/yr, cumulatively providing a net increase of over 30,000 af of drought reserve over the project life.
Use and Reuse Water More Efficiently	Yes	High. All water reclaimed by the HDWD Water Treatment Plant project will be returned to the drinking water aquifer. MWA Turf Removal program effects long-term demand reduction.	Phase 1a of the HDWD Water Treatment Plant project will reclaim 140 af/yr. Subsequent phases will reclaim up to 4,500 af/yr. The MWA Turf Removal Conservation Incentive Program will result in long-term demand reductions of 1,012 af/yr.
Climate Change Response Actions	Yes	High. The JBWD and MWA projects increase storage or reduce overdraft of the region's groundwater storage reserves for responding to climate change.	JBWD Recharge Pond project will supply 2,000 af/yr to replenish currently overdrafted groundwater basin, increasing sustainability and reliability of local water supplies under likely climate change scenarios. MWA Turf Removal Conservation will reduce long-term water demand by 1,012 af/yr, cumulatively providing a net increase of over 30,000 af of reserve over the project life, increasing sustainability and reliability of supplies under likely climate change scenarios.

Preference or Priority	Addressed	Certainty	Breadth & Magnitude
Expand Environmental Stewardship	Yes	Moderate. The JBWD Recharge Pond project will reverse overdraft, reducing subsidence potential The HDWD Wastewater Treatment Plant will reclaim collected wastewater and return tertiary-treated effluent to the drinking water aquifer. The treatment plant will allow permanent closure of area septic systems linked to nitrate contamination of the groundwater. Participants in the MWA Turf Removal Conservation Incentive Program are required to replant a specified portion of the converted landscape in native, drought-tolerant species.	The JBWD Recharge Pond project will raise groundwater elevations above historical lows, slowing and then stopping potential ground subsidence. Phase 1a of the HDWD Water Treatment Plant project will reclaim 140 af/yr. Subsequent phases will reclaim up to 4,500 af/yr. The MWA Turf Removal Conservation Incentive Program will result in removal of 6 million square feet of turf grass and conversion to native drought-tolerant species more beneficial to local flora and fauna.
Practice Integrated Flood Management	Yes	Moderate. All projects will be designed to retain and manage stormflows on site.	The JBWD and HDWD project sites will retain and manage on-site storm flows, and both are adjacent to local floodways that will be configured to facilitate flood management and protect facilities. Up to 6 million square feet of turf will be removed under the MWA Turf Removal program. Participants are provided consultation with landscape architect to configure landscape to capture and percolate rainfall.
Protect Surface Water and Groundwater Quality	Yes	High. The JBWD project will bring in high-quality water for recharge and measure and monitor elevations and quality. The HDWD Wastewater Treatment Plant will reclaim waste flows, and recharge tertiary-treated effluent to the groundwater system, and will allow abandonment of septic systems linked to nitrate contamination of the groundwater.	The JBWD project will import 2,000 af/yr of high-quality State Water Project supply, and provide monitoring of quality, elevation, and migration path of the recharged water. Phase 1a of the HDWD Water Treatment Plant project will reclaim 140 af/yr treated to tertiary levels that include nitrate removal. Subsequent phases will reclaim up to 4,500 af/yr. Phase 1a will allow abandonment of 175 septic systems, and ultimate project will remove 5,500 connections from septic tank discharges.

Preference or Priority	Addressed	Certainty	Breadth & Magnitude
Improve Tribal Water and Natural Resources	No	None. There are not tribal entities in the Plan area.	
Ensure Equitable Distribution of Benefits	Yes	High. All water users in the JBWD and HDWD areas utilize the same drinking water aquifers, and all will benefit from the supply enhancement and water reclamation projects. All residents in the Mojave River Basin area are eligible for the Turf Reduction incentive payments and associated lower water bills.	All water users will benefit from regional aquifer elevation and quality improvements in the JBWD Joshua Tree Basin and HDWD Warren Basin. The distribution of conservation incentives are expected to be distributed roughly proportional to population density, but will depend on which user pursue the incentives.